

Comparisons of Job Characteristics

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation: Automotive Body and Related Repairers (49-3021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation: Automotive Body and Related Repairers (49-3021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	12.6	20.8	>> Current knowledge level is likely more than sufficient
Production and Processing	6.0	8.8	6.9	< Expanded education and/or training may be required
Chemistry	4.8	8.4	6.4	< Expanded education and/or training may be required
Public Safety and Security	6.9	7.5	6.0	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation: Automotive Body and Related Repairers (49-3021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	10.0	12.7	> Skill level is likely sufficient
Operation and Control	5.4	8.4	11.1	>> Skill level is likely more than sufficient
Troubleshooting	4.5	7.4	11.4	>> Skill level is likely more than sufficient
Equipment Selection	3.3	6.7	9.4	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	9.8	8.9	<	Some improvement in abilities may be required
Trunk Strength	5.7	9.4	9.3	0	Current ability level may be sufficient
Extent Flexibility	4.8	9.1	14.4	>>	Current ability level is likely more than sufficient
Static Strength	5.0	9.1	8.0	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	7.2	5.1	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	6.2	5.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation: Automotive Body and Related Repairers (49-3021)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Align or adjust clearances of mechanical components or parts	72
Align or adjust clearances of vehicle body parts or components	78
Align vehicle frame	87
Apply filler substances to dents in vehicle bodies	92
Determine installation, service, or repair needed	58
Estimate time or cost for installation, repair, or construction projects	54
Examine vehicle to detect malfunctions, damage, or maintenance needed	75
Fabricate, assemble, or disassemble manufactured products by hand	11
Identify base metals for welding	68
Identify properties of metals for repair or fabrication activities	71
Maintain repair records	65
Maintain welding machines or equipment	70
Move or fit heavy objects	8
Obtain information from clients, customers, or patients	40
Perform safety inspections in industrial, manufacturing or repair setting	32
Read technical drawings	7
Read vehicle manufacturer's specifications	76
Read work order, instructions, formulas, or processing charts	9

Repair commercial transportation equipment	85
Repair vehicle body parts	92
Test operate vehicles before or after repair	85
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use auto or vehicular body repair equipment	89
Use combination welding procedures	68
Use hand or power tools	2
Use lifting equipment in vehicle repair setting	87
Use oral or written communication techniques	1
Use pneumatic tools	66
Use precision measuring devices in mechanical repair work	61
Use soldering equipment	44
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)
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Tools and Technologies	Exclusivity
Body tools	70
Business function specific software	1
Cleaning equipment	11
Compressors	9
Computer printers	2
Computers	1
Cutting and crimping and punching tools	3
Data management and query software	1
Face and head protection	7
Fastener setting tools	12
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Holding and clamping tools	3
Industry specific software	1
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Mechanical instruments	14
Metal bending and forming machinery	17
Paint applicators and painting accessories	15

Pneumatic tools	8
Power tools	2
Pressure measuring and control instruments	10
Prying and bending tools	10
Rough and finishing tools	5
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Special tooling fixtures	16
Tool attachments and accessories	12
Vehicle servicing equipment	43
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.